

METHOD OF CALCULATING THE FAST FOURIER TRANSFORM
AND THE INVERSE FAST FOURIER TRANSFORM

Abstract of the Disclosure

A method of calculating the fast Fourier transform or the inverse fast Fourier transform of a series of N real samples $x(n)$, with N power of two, operating according to a time interleaving algorithm and providing the sample series $X(n)$ in ascending order to index n and using limited calculating and storage means. A method of calculating the fast Fourier transform or the inverse fast Fourier transform of a series of N conjugated complex samples $X(n)$, with N power of two, operating according to a frequency interleaving algorithm.